ABSTRACT

A liquid crystal display device having a high quality able to prevent deterioration etc. of a liquid crystal 5 panel even when a liquid crystal panel used in a light valve of a projector etc. is operated under a high temperature and high humidity environment and a projection type display apparatus using the liquid crystal display device, wherein a liquid crystal layer 16 is sandwiched 10 between a pair of substrates formed by bonding a TFT array substrate 11 and a counter substrate 12 by a sealing material 15 so that they face each other across a predetermined gap, the sealing material 15 contains a nonconductive filler having a mean particle size of less 15 than 0.5 µm, a liquid crystal material used in the liquid crystal layer 16 is set in its refractive index anisotropy An at room temperature to 0.16 or more, and a cell gap d of an interval between the TFT array substrate 11 and the counter substrate 12 is set at 3 µm or less.